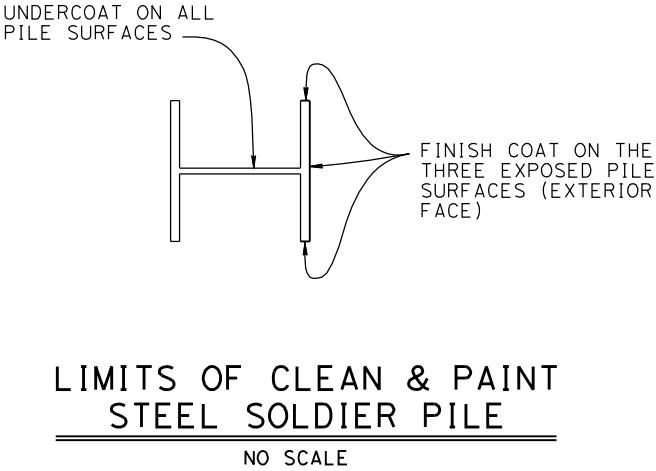
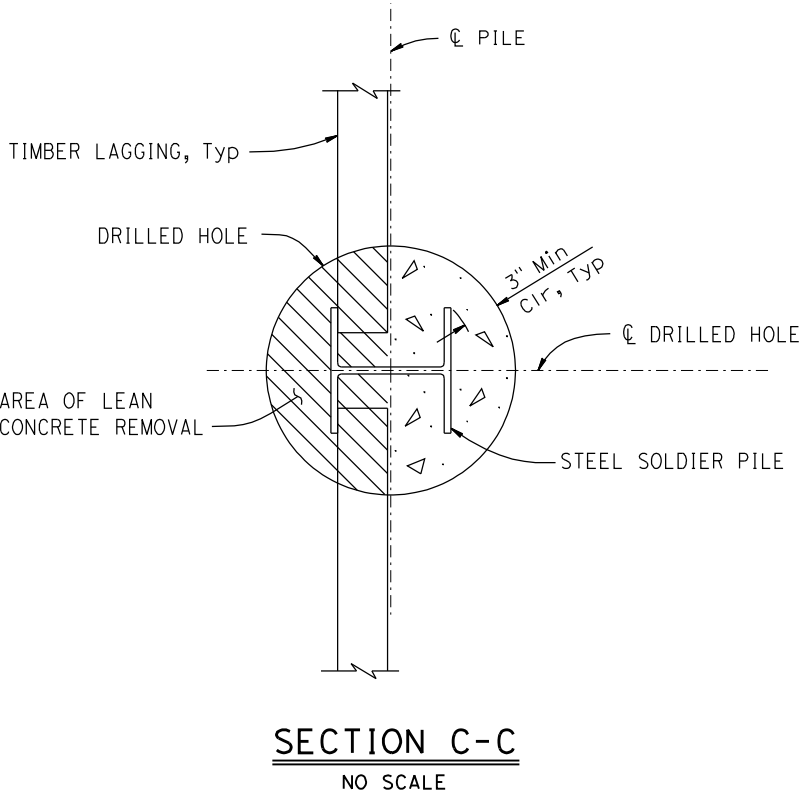


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X
REGISTERED CIVIL ENGINEER			X DATE		
PLANS APPROVAL DATE			X No. X Exp. X CIVIL STATE OF CALIFORNIA		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



GENERAL NOTES

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments.

LIVE LOAD: 240 psf equivalent to 2 feet soil weight

SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)
Backfill soil weight = ____ lb/ft³
Friction Angle = ____ °
Active Pressure coefficient, Ka = ____
Bedrock Unit Weight = ____ lb/ft³
Slope Angle = ____ °

STRUCTURAL STEEL: ASTM A709/A709M Grade 50 or 50W
fy = 50 ksi

STRUCTURAL TIMBER: Treated Douglas Fir, Grade No. 1 or better.
Timber to be full sawn

PRESTRESSING STEEL (GROUND ANCHORS):

FDL = Factored Design Load on ground anchor (kips)
FTL = Factored Test Load (kips)
LL = Lock-Off Load (kips)

fpu = Minimum ultimate tensile strength of ground anchor steel (ksi)

As (Min) = Minimum cross sectional area of steel in ground anchor (square inches)

Steel = ASTM designation: A416 (High Strength Strands)

$$As \text{ (Min)} = \frac{1.0 \text{ FTL}}{0.75 \text{ fpu}}$$

Steel = ASTM designation: A722 (High Strength Bars)

$$As \text{ (Min)} = \frac{1.0 \text{ FTL}}{0.80 \text{ fpu}}$$

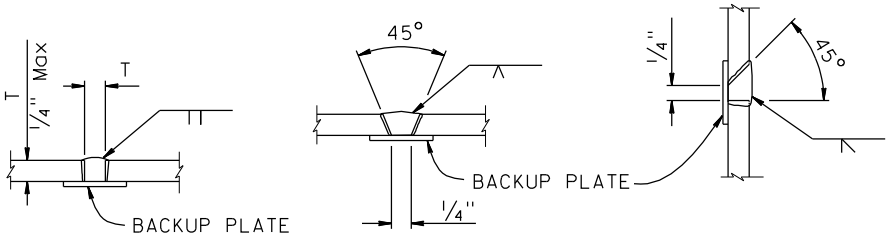
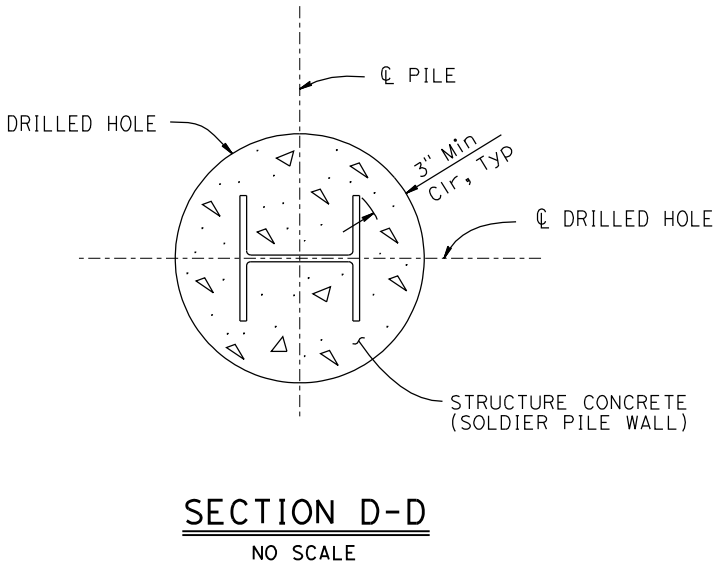
Steel = ASTM designation: A615 (Mild Steel Bars)

$$As \text{ (Min)} = \frac{1.0 \text{ FTL}}{0.90 \text{ fpu}}$$

FDL = ____ Kips

FTL = ____ Kips

LL = ____ Kips



PILE WELDING DETAIL-BUTT JOINTS

- NOTES:
- Single vee-groove and square groove permitted for all positions
 - Single bevel-groove permitted for horizontal joints only
 - For purposes of non-destructive testing, pile shall be considered a main tension member from top of pile to 5 feet below bottom of lagging. The remaining embedded portion of the pile shall be considered a main compression member.